

Data Protection Solutions 4000 Series



AssuredSAN™

Smart, Simple Storage

For 2K, 4K, HD, and 3D Workflows, the AssuredSAN™ 4000 Series offer a smart, simple approach to storage management. The AssuredSAN™ Solutions combine high performance and high capacity storage with the ease of the RAIDar management GUI which provides a complete set of features and tools to ensure easy storage administration. In common with all AssuredSAN storage arrays, the 4000 Series boasts 99.999% availability due to stringent design standards, testing, and diagnostics.

The AssuredSAN 4000 Series sets a new storage standard for postproduction workflows. Offering 5200 megabytes per second sequential reads and 3000 megabytes per second sequential writes, this Series is ideal for video editing, broadcast, and telecommunications capture.



The 4000 Series is a shared storage system that works with shared file systems like StorNext and Xsan to easily support multiple simultaneous streams of 2K, 4K, HD and 3D content, without dropping frames.

Similarly, the 4000 system has the high performance and low latency characteristics to meet data capture requirements for modern telecommunications digital networks and broadcast applications.

Ideal applications for the 4000 Series include onset acquisition, video editing, finishing, rendering, streaming, broadcast, and telecommunications capture.

Contact us today!
858.571.4330
combatproven.tech

Manufactured in the USA
ISO 9001:2008 Certified

Benefits

SCALABLE PERFORMANCE

- SimulCache™ - Low latency cache mirroring up
- Data rates up to 8Gb/sec FC or 6Gb/sec SAS
- Up to 7 expansion units per system
- Support for SAS, Nearline SAS, SDDs
- Max 192 drives for Model 4520 and 4720, 96 for Model 4530 and 4730

BUILT IN REDUNDANCY

- Dual RAID controller
- Redundant, hot swap components
- RAID 0, 1, 3, 5, 6, 10, 50

CERTIFICATIONS AND VIRTUALIZATION

- Citrix, Microsoft, VMware certified
- VAAI connector support

GREEN FEATURES

- EcoStor™ battery-free cache backup
- Drive-spin-down
- RoHS-6 and WEEE compliant

RUGGED CHASSIS

- NEBS Level 3 Compliant
- MIL STD 810F Compliant (Storage Requirements)
- European Telco Compliant

MODEL SAS 4520, FIBER CHANNEL 4720

DIMENSIONS

17.6" X 3.5" X 20.46" (44.7cm X 8.9cm X 51.9cm)

WEIGHT

36.4 lbs / 16.5kg, with drives 51.8 lbs / 23.5kg

DRIVES

SAS 4520, Fiber Channel 4720 2.5" Drives
Drives per array up to 24
Max capacity per chassis 24TB
Drive support SAS, Nearline SAS, SSD
Expansion 192 drives (1 RAID, 7 JBOD)

SPECIFICATIONS

GENERAL

Fibre channel host speed 8Gb Fibre Channel
Fibre channel interface type FCP
External Ports 4 per controller, 8 maximum
SAS Initiators SAS 2.0 (serial-attached SCSI)
SAS Interface Type SAS SFF8088

COMPLIANCE & STANDARDS

IP (RFC, 894, 1092) SCSI-2 and SCSI-3
NEBS Level 3
MIL-STD-810G

RAID & SYSTEM CONFIGURATION

Levels Supported 0, 1, 3, 5, 6, 10 and 50
Cache Memory 4GB per controller
Virtual disks per System 32
Volumes per virtual disk 256
Volumes per System 1024
Mirrored Cache Yes - SimulCache™
Super Capacitor Cache Backup Yes
Cache Backup to Flash Yes - Non-volatile

MANAGEMENT

Interface Types 10/100 Ethernet, Mini USB
Protocols Supported SNMP, SSL, SSH, SMTP,
SMI-S Provider, HTTP(S)
Management Consoles WEB GUI, CLI
Management Software RAIDar™ 2.0

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MODEL SAS 4530, FIBER CHANNEL 4730

DIMENSIONS

18.99" X 3.43" X 20.57" (48.24cm X 8.71cm X 52.25 cm)

WEIGHT

58.2 lbs / 26.9kg, with drives 78.2 lbs / 35.5kg

DRIVES

SAS 4530, Fiber Channel 4730 3.5" Drives
Drives per array up to 12
Max capacity per chassis 36TB
Drive support Nearline SAS
Expansion 96 drives (1 RAID, 7 JBOD)

POWER REQUIREMENTS

Input Power Requirements 100-240VAC 50/60Hz
Max Input Power 436W max maximum continuous
Heat Dissipation 1488 BTUs/hour

TEMPERATURE AND HUMIDITY

Operating Temperature 41°F to 104°F (5°C to 40°C)
Shipping Temperature -40°F to 158°F (-40°C to 70°C)
Note: Derate 2°C for every km, up to 3000 meters

Operating Humidity 10% to 90% RH @ 104°F (40°C),
non-condensing
Non-Operating Humidity .. Up to 93% RH @ 104°F (40°C)
non-condensing

ACOUSTIC NOISE LEVELS

Sound Power LWAd=6,75 B
Sound Pressure LpAm - 55dB_A

SHOCK AND VIBRATION

Shock, Operational 5G's for 10 ms
Shock, Non-Operational 15G 11ms, half sine
Vibration, Operational 5Hz to 500Hz,
0.21Grms flat spectrum
Vibration, Non-Operational 3-365-3Hz, 1.22 Grms,
z-axis, 0.85 Grms,
X&Y axis shaped spectrum



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Who We Are...

CP Technologies signs, fabricates and integrates standard and custom high-performance computing platforms and LCD displays for the military and heavy industry. Using COTS components, CP Technologies provides solutions for customers who need reliable systems that will operate in a variety of harsh conditions and who require revision control and hardware consistency for multi-year programs. With an in-house engineering department, CP Technologies can also design and build rapid prototypes. CP Technologies is an ISO 9001:2008 certified company that produces products domestically and has been in business in Southern California for over a decade.

CP Technologies

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